

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059491.D
 Acq On : 29 Jun 2018 14:56
 Operator : VA/AP
 Sample : J3248-07
 Misc : 6.67g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 30 00:25:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	587668	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.68	114	777799	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	593812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	292913	50.00	ug/l	0.00

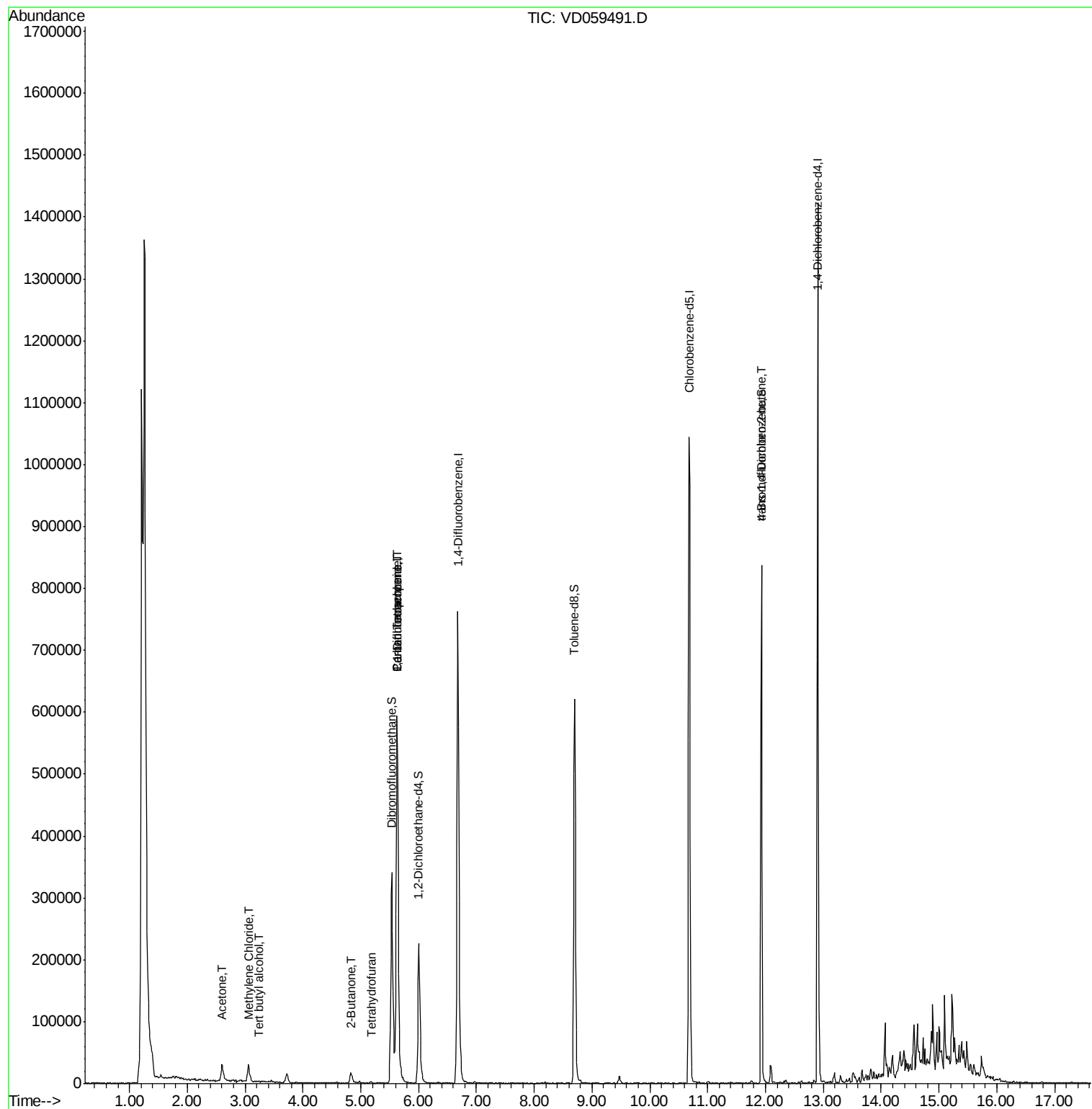
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	223902	37.26	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	74.52%	
35) Dibromofluoromethane	5.54	113	266464	42.06	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	84.12%	
50) Toluene-d8	8.70	98	474771	32.06	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	64.12%	
62) 4-Bromofluorobenzene	11.93	95	222168	36.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	72.12%	

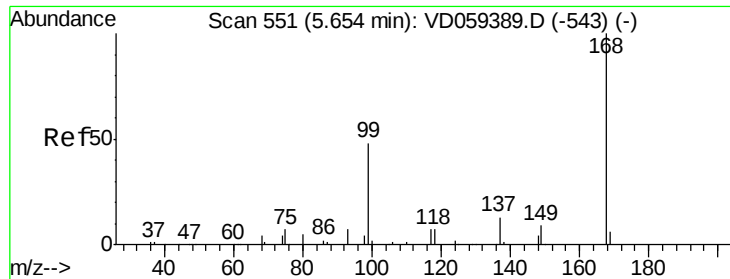
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.76	94	434	Below Cal	#	4
11) Tert butyl alcohol	3.25	59	208	1.000	ug/l #	72
16) Acetone	2.60	43	58086	76.582	ug/l	94
18) Methyl Acetate	2.91	43	5905	Below Cal	#	79
20) Methylene Chloride	3.06	84	12149	3.453	ug/l #	92
25) 2-Butanone	4.82	43	4100	2.580	ug/l #	77
29) Tetrahydrofuran	5.19	42	1582	1.820	ug/l #	48
31) Cyclohexane	5.62	56	14674	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	47040	6.667	ug/l #	48
38) Carbon Tetrachloride	5.63	117	47363	6.511	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.93	75	106627	116.111	ug/l #	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.03 min

Lab File: VD059491.D

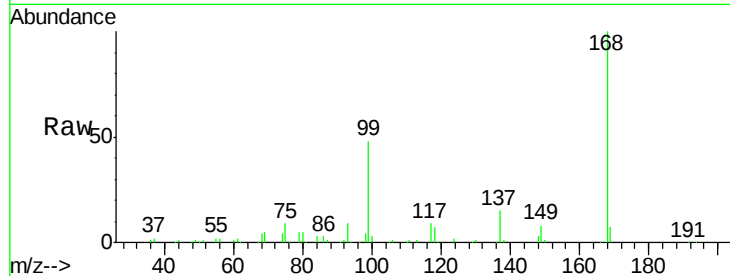
Acq: 29 Jun 2018 14:56

Tot Ion:168 Resp: 587668

Ion Ratio Lower Upper

168 100

99 48.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

250000

200000

150000

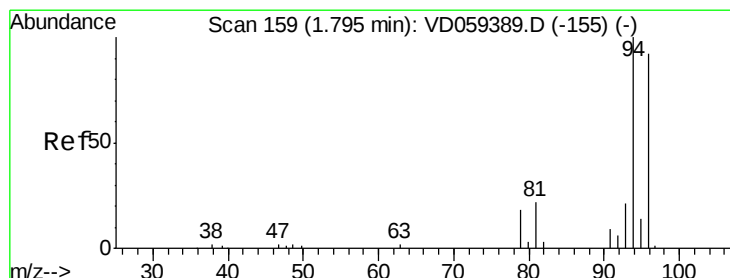
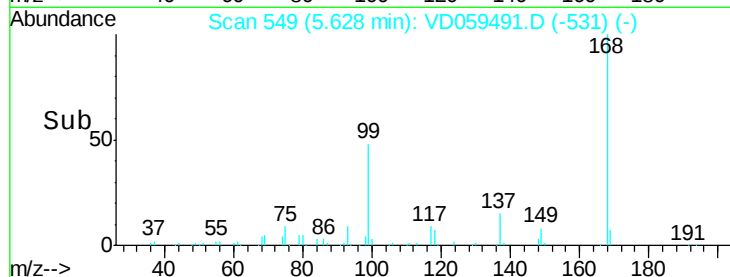
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.76 min Scan# 156

Delta R.T. -0.03 min

Lab File: VD059491.D

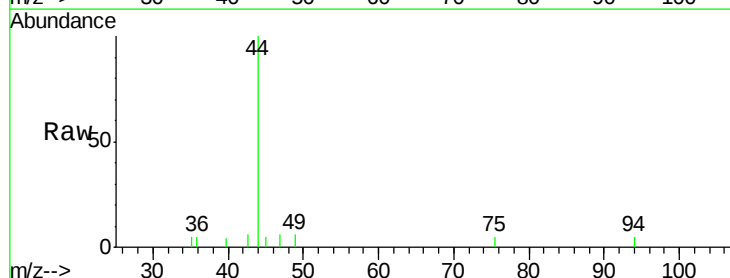
Acq: 29 Jun 2018 14:56

Tgt Ion: 94 Resp: 434

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

600

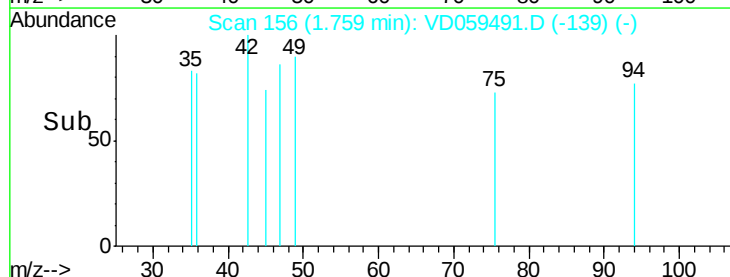
400

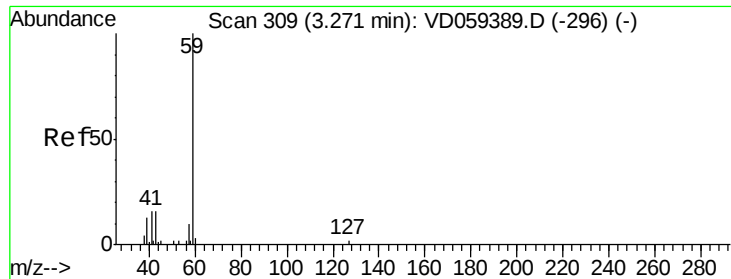
200

0

Time-->

1.72 1.74 1.76 1.78 1.80

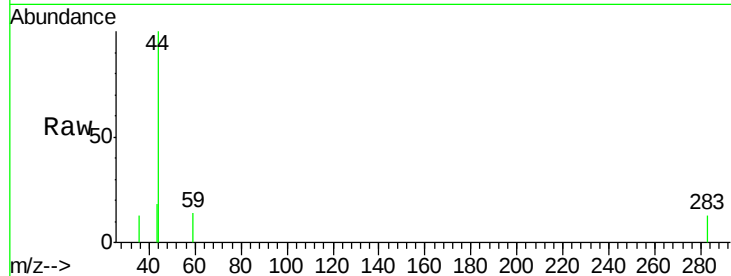




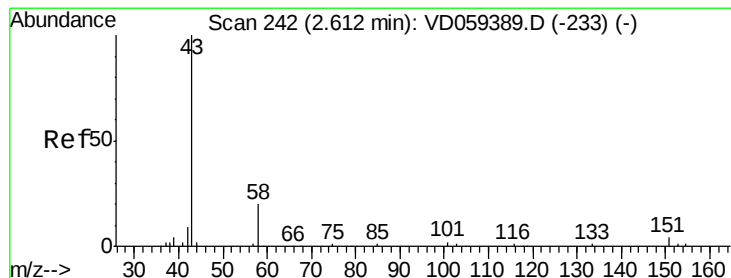
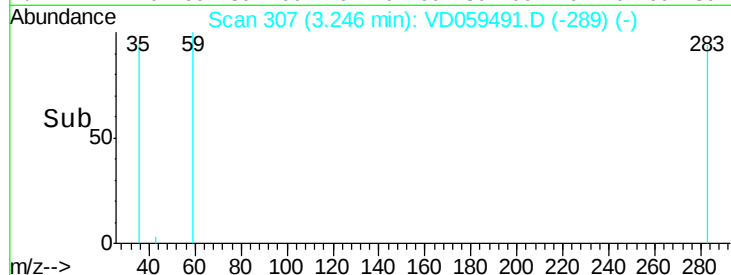
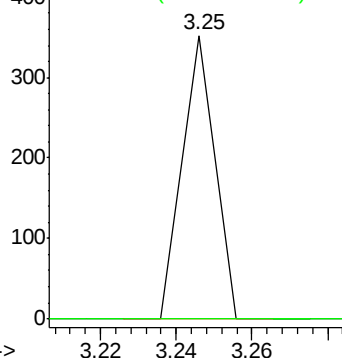
#11

Tert butyl alcohol
 Concen: 1.000 ug/l
 RT: 3.25 min Scan# 307
 Delta R.T. -0.03 min
 Lab File: VD059491.D
 Acq: 29 Jun 2018 14:56

Tot Ion: 59 Resp: 208
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



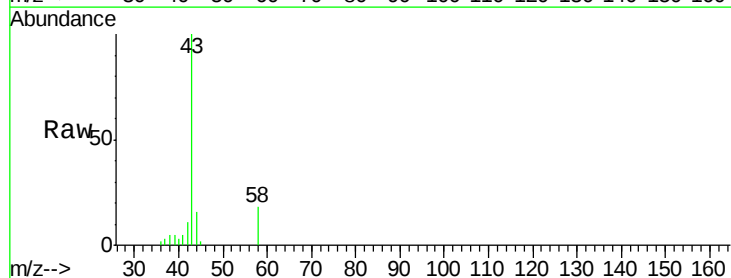
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



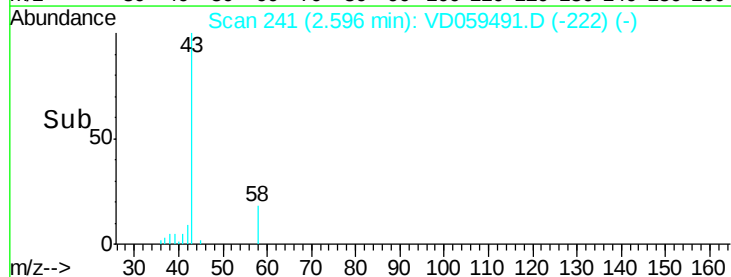
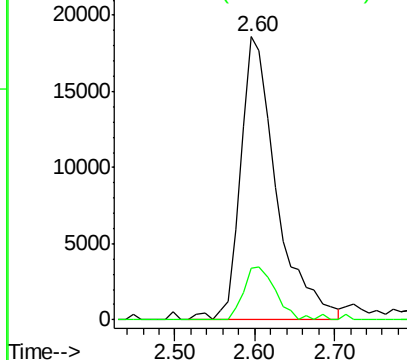
#16

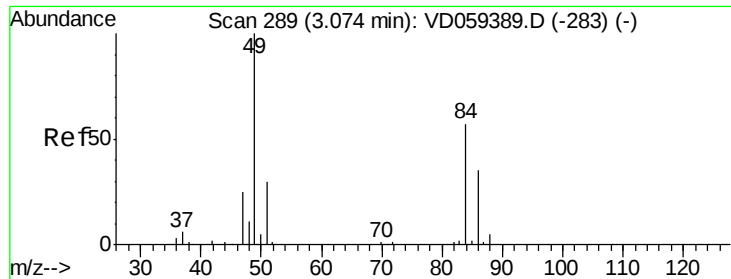
Acetone
 Concen: 76.582 ug/l
 RT: 2.60 min Scan# 241
 Delta R.T. -0.02 min
 Lab File: VD059491.D
 Acq: 29 Jun 2018 14:56

Tgt Ion: 43 Resp: 58086
 Ion Ratio Lower Upper
 43 100
 58 18.4 16.8 25.2



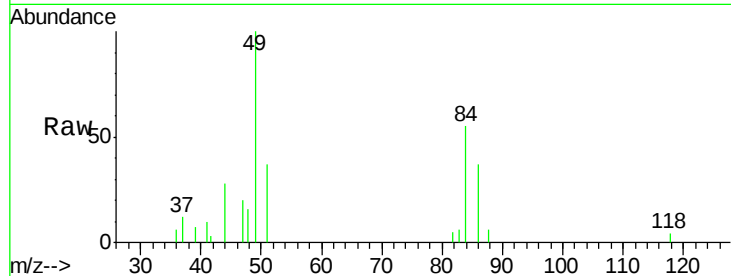
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC



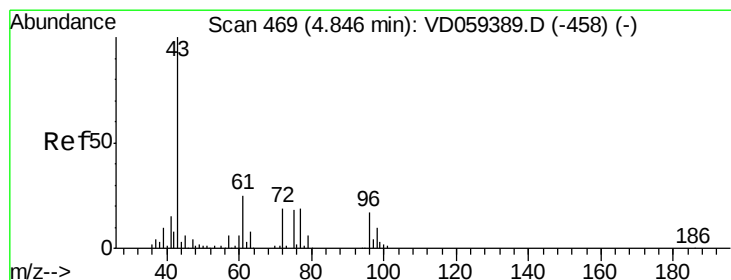
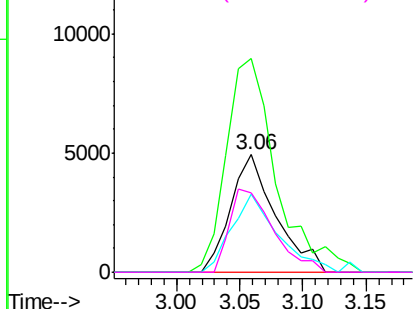
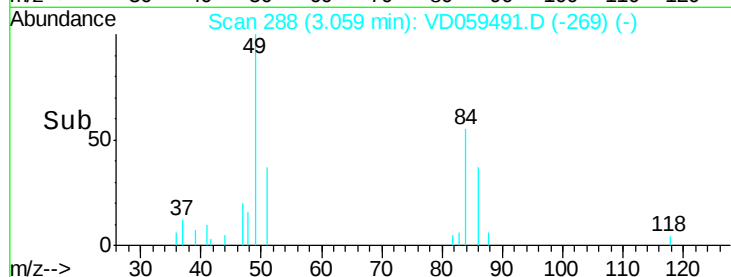


#20
Methvlene Chloride
Concen: 3.453 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.02 min
Lab File: VD059491.D
Acq: 29 Jun 2018 14:56

Tot Ion: 84 Resp: 12149
Ion Ratio Lower Upper
84 100
49 182.3 140.3 210.5
51 67.2 41.6 62.4#
86 67.2 49.4 74.2

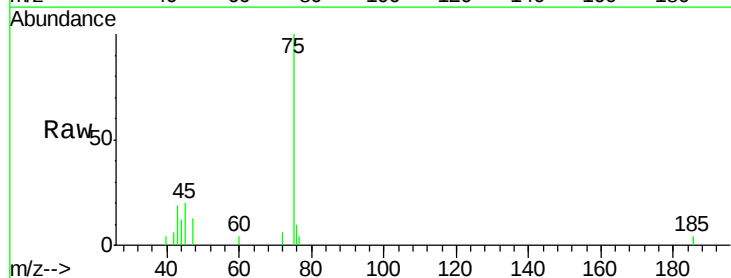


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

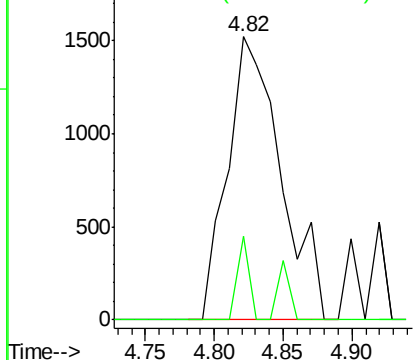
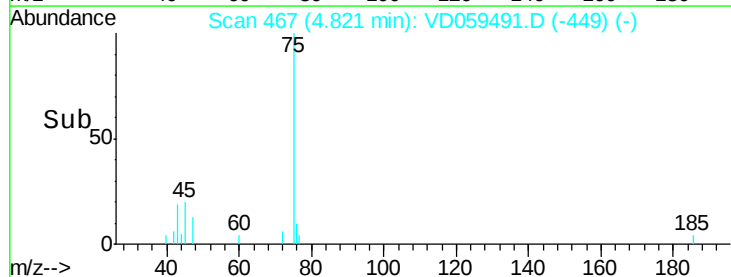


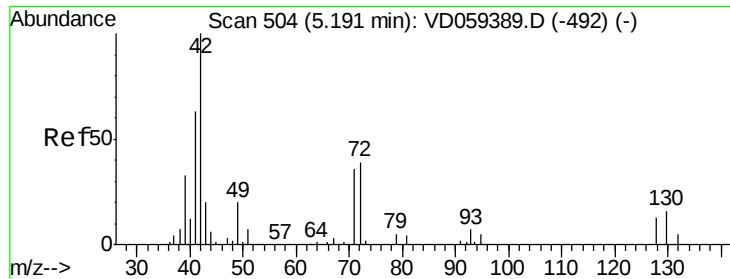
#25
2-Butanone
Concen: 2.580 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD059491.D
Acq: 29 Jun 2018 14:56

Tgt Ion: 43 Resp: 4100
Ion Ratio Lower Upper
43 100
72 29.6 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.820 ug/l

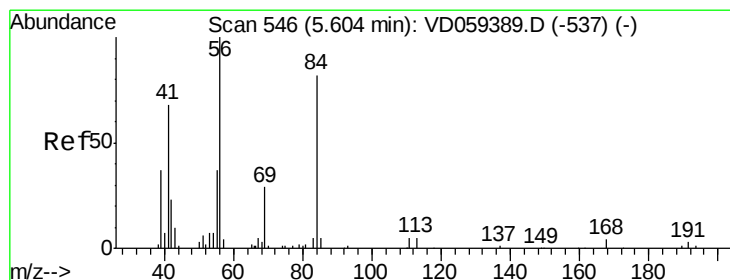
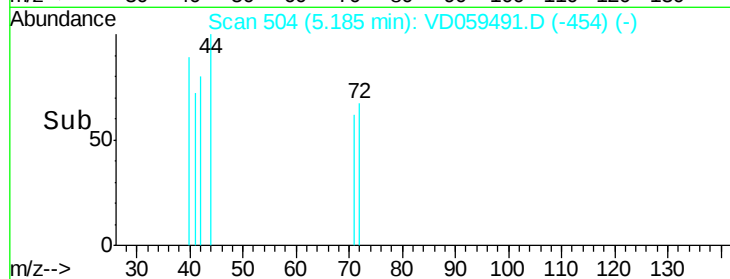
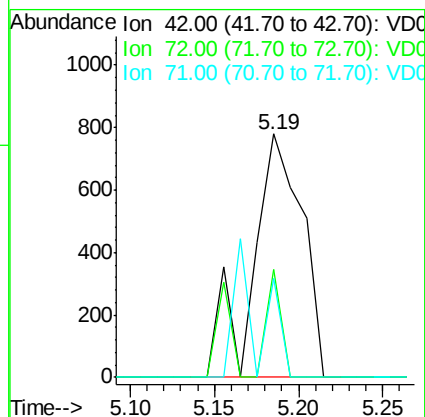
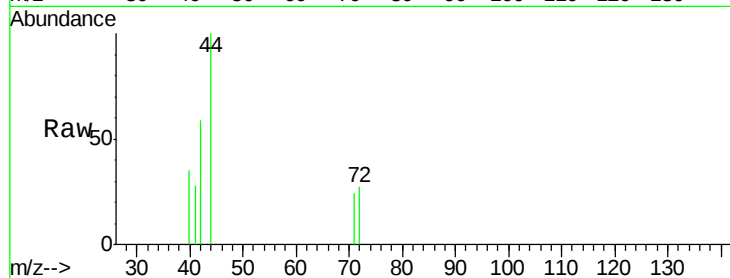
RT: 5.19 min Scan# 504

Delta R.T. -0.01 min

Lab File: VD059491.D

Acq: 29 Jun 2018 14:56

Tot Ion:	42	Resp:	1582
Ion	Ratio	Lower	Upper
42	100		
72	13.0	31.4	47.2#
71	0.0	29.7	44.5#



#31

Cyclohexane

Concen: Below Cal

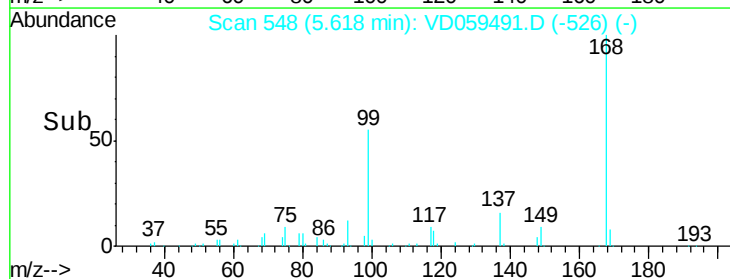
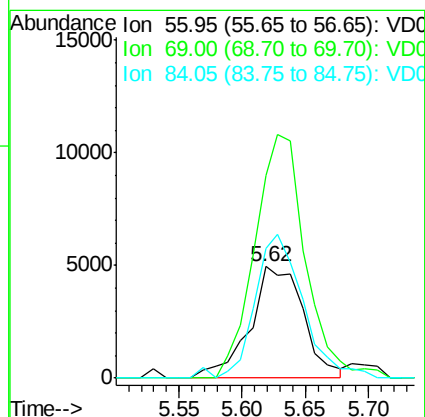
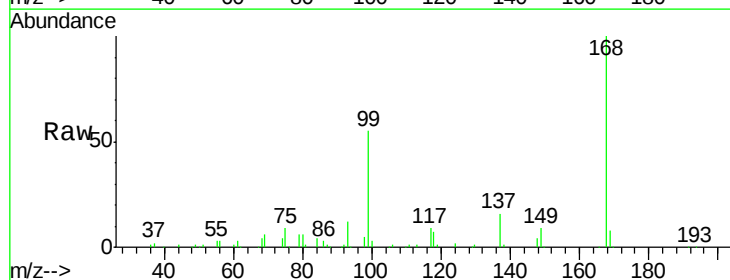
RT: 5.62 min Scan# 548

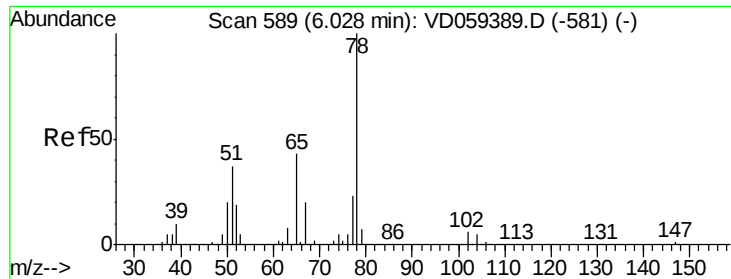
Delta R.T. 0.01 min

Lab File: VD059491.D

Acq: 29 Jun 2018 14:56

Tgt Ion:	56	Resp:	14674
Ion	Ratio	Lower	Upper
56	100		
69	181.3	22.9	34.3#
84	115.7	67.3	100.9#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.03 min

Lab File: VD059491.D

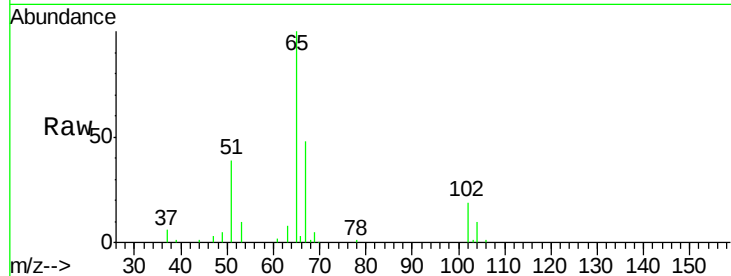
Acq: 29 Jun 2018 14:56

Tot Ion: 65 Resp: 223902

Ion Ratio Lower Upper

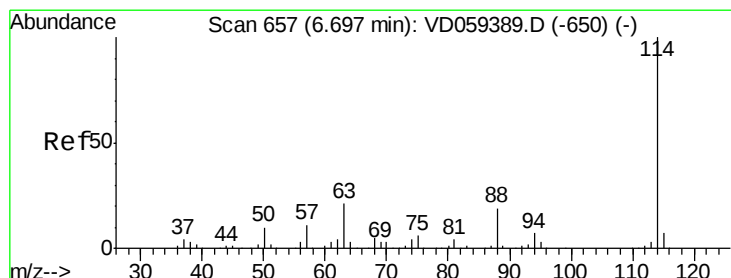
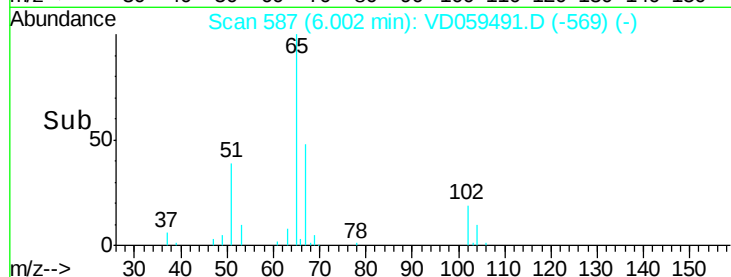
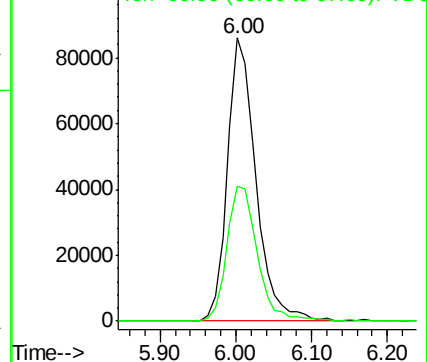
65 100

67 47.9 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD059491.D

Acq: 29 Jun 2018 14:56

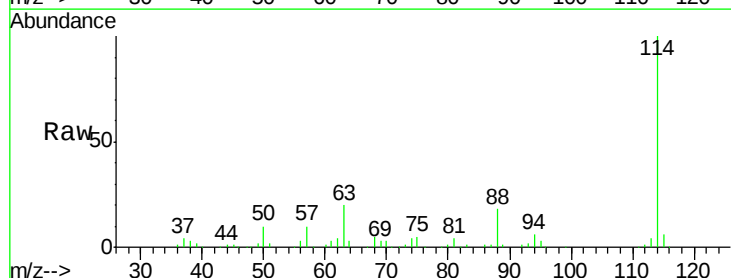
Tgt Ion: 114 Resp: 777799

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

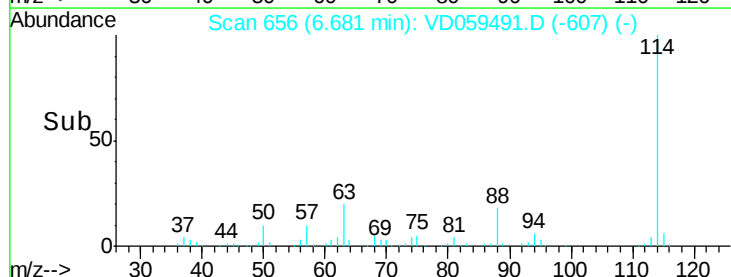
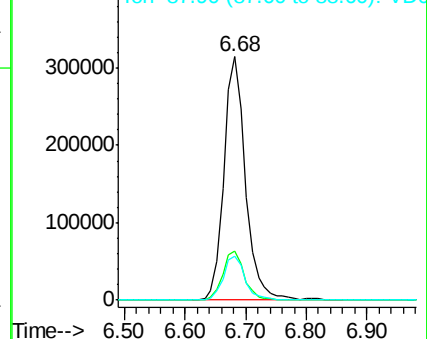
88 18.2 0.0 38.0

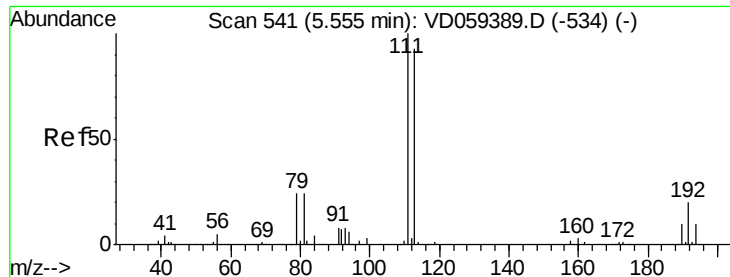


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

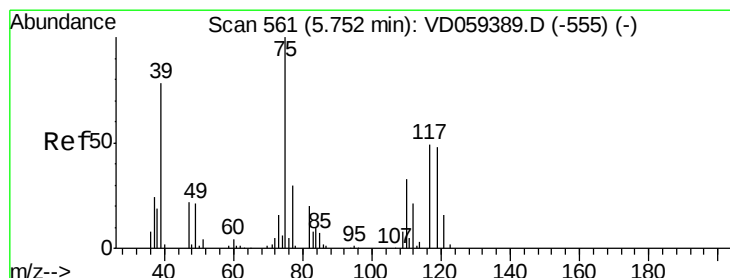
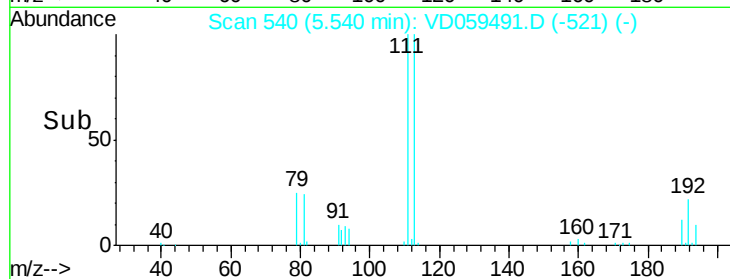
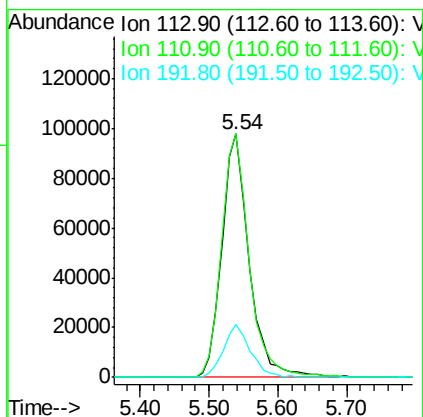
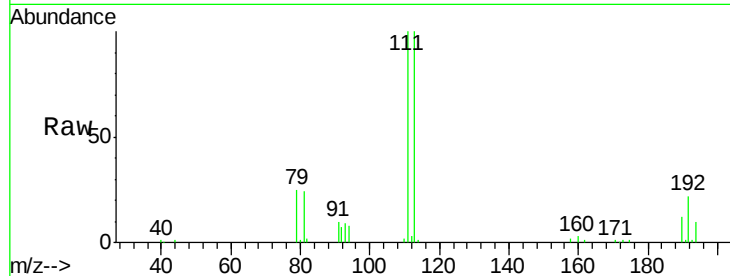
Ion 87.90 (87.60 to 88.60): VDC





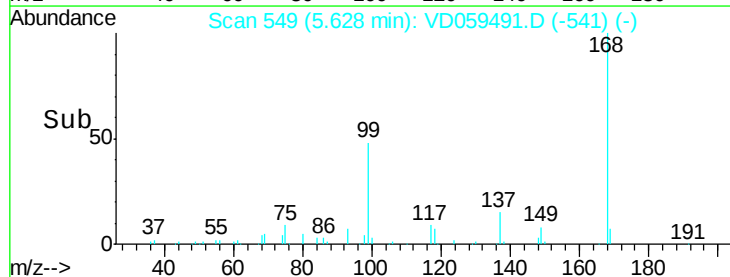
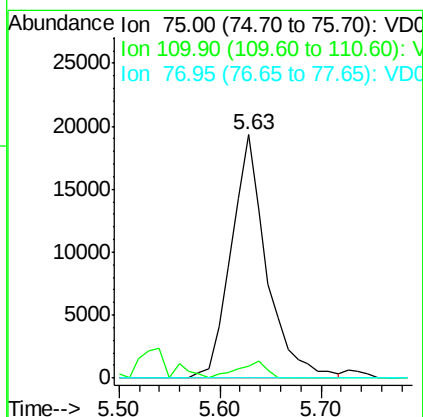
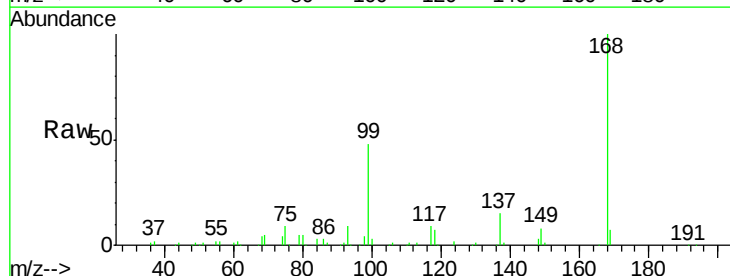
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD059491.D
 Acq: 29 Jun 2018 14:56

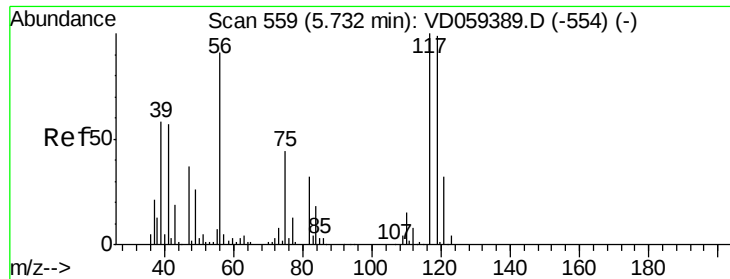
Tot Ion:113 Resp: 266464
 Ion Ratio Lower Upper
 113 100
 111 100.0 85.7 128.5
 192 21.5 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 6.667 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.12 min
 Lab File: VD059491.D
 Acq: 29 Jun 2018 14:56

Tgt Ion: 75 Resp: 47040
 Ion Ratio Lower Upper
 75 100
 110 4.7 16.1 48.2#
 77 0.0 23.4 35.2#





#38

Carbon Tetrachloride

Concen: 6.511 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.10 min

Lab File: VD059491.D

Acq: 29 Jun 2018 14:56

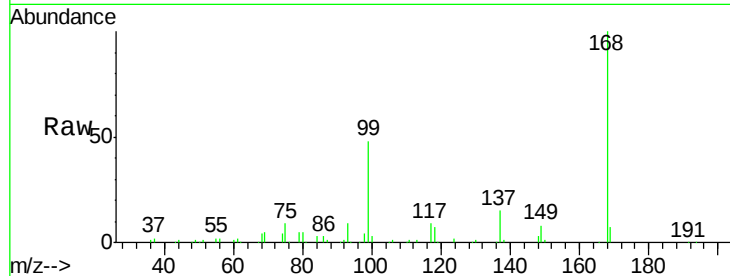
Tot Ion:117 Resp: 47363

Ion Ratio Lower Upper

117 100

119 2.5 76.6 115.0#

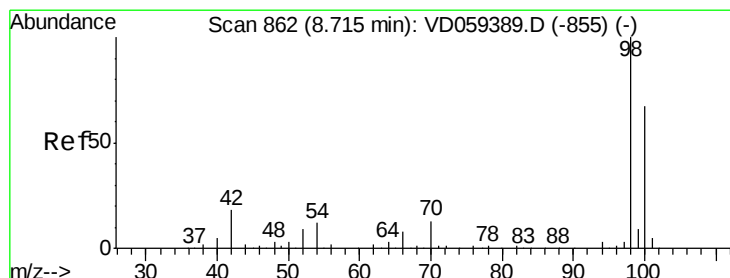
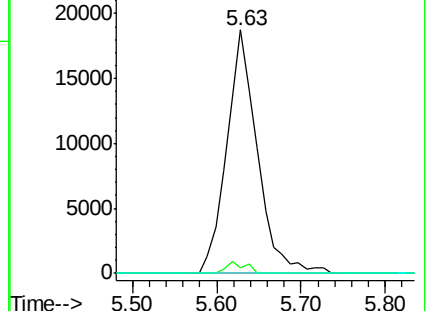
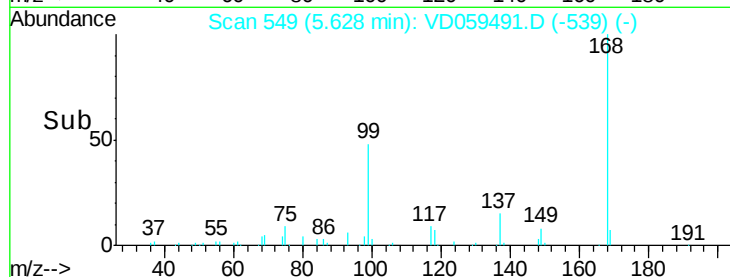
121 0.0 25.0 37.4#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.02 min

Lab File: VD059491.D

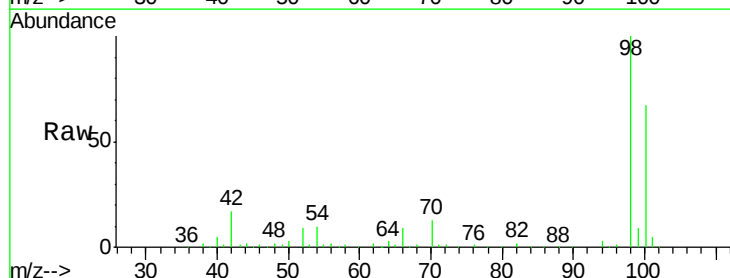
Acq: 29 Jun 2018 14:56

Tgt Ion: 98 Resp: 474771

Ion Ratio Lower Upper

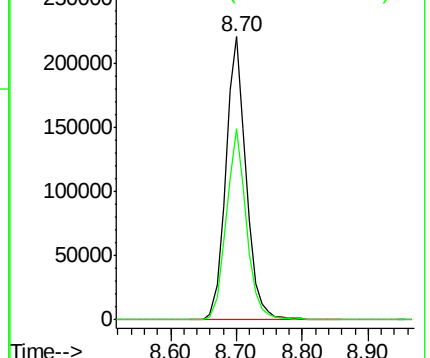
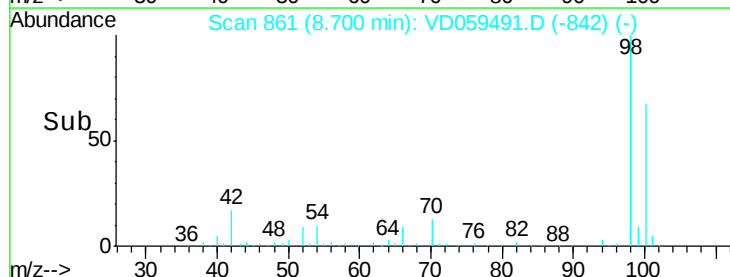
98 100

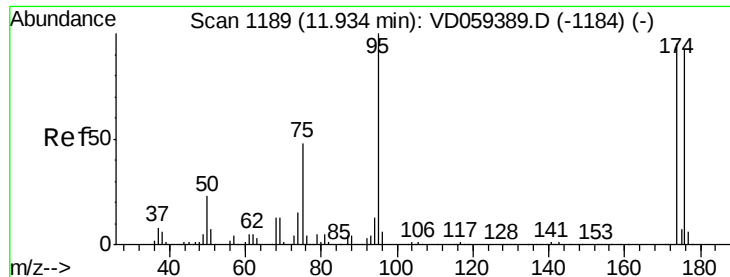
100 67.4 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): V

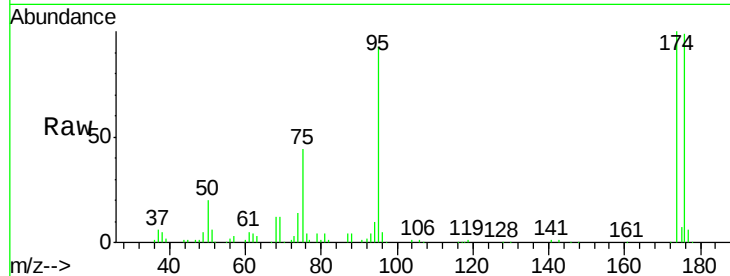
Ion 100.05 (99.75 to 100.75): V



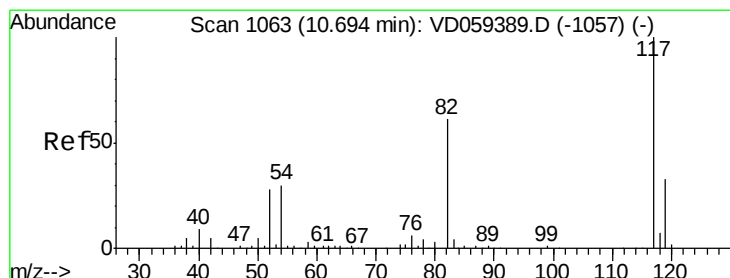
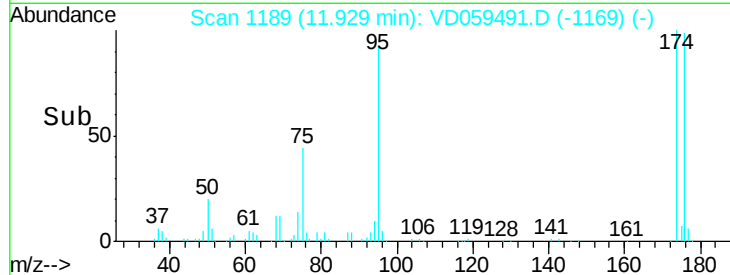
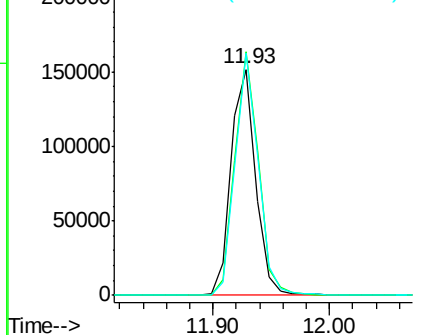


#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059491.D
Acq: 29 Jun 2018 14:56

Tot Ion: 95 Resp: 222168
Ion Ratio Lower Upper
95 100
174 107.8 0.0 190.4
176 107.3 0.0 183.2

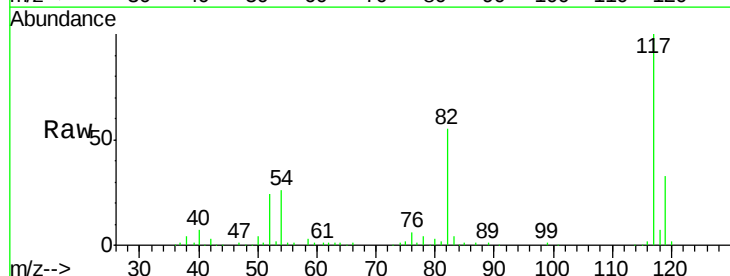


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

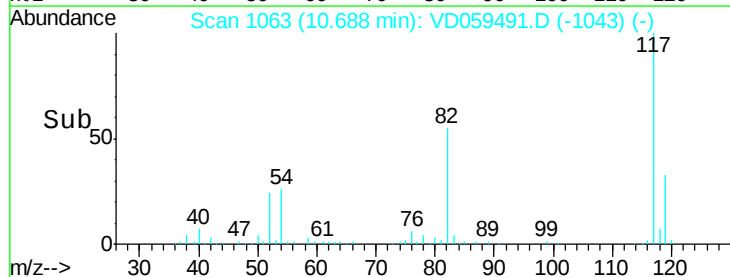
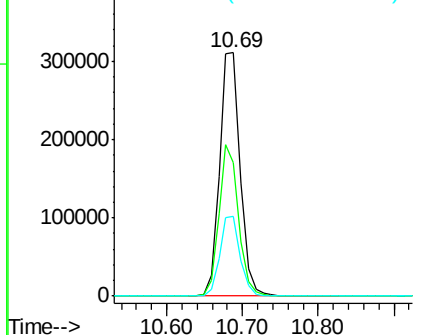


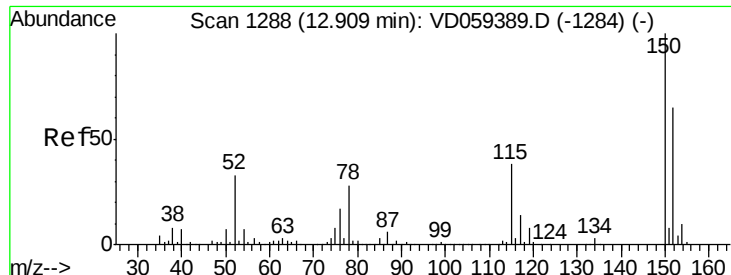
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VD059491.D
Acq: 29 Jun 2018 14:56

Tgt Ion: 117 Resp: 593812
Ion Ratio Lower Upper
117 100
82 54.9 49.0 73.6
119 32.6 26.2 39.4



Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

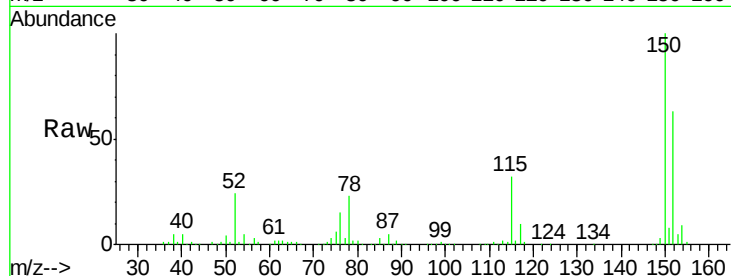




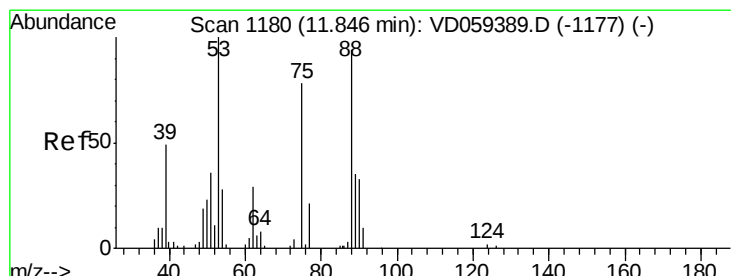
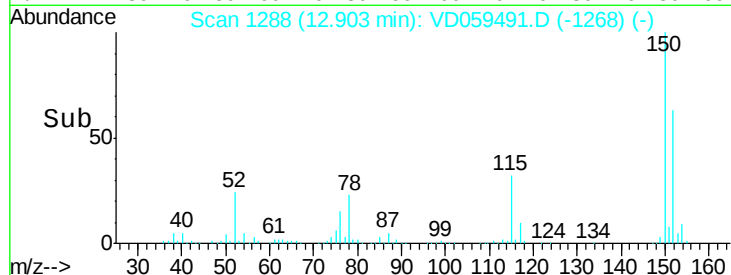
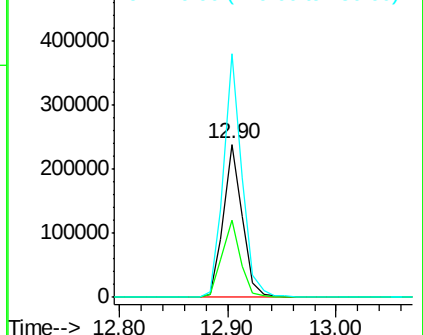
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059491.D
Acq: 29 Jun 2018 14:56

Tot Ion	Ratio	Lower	Upper
152	100		
115	50.4	29.4	88.3
150	158.8	0.0	308.2



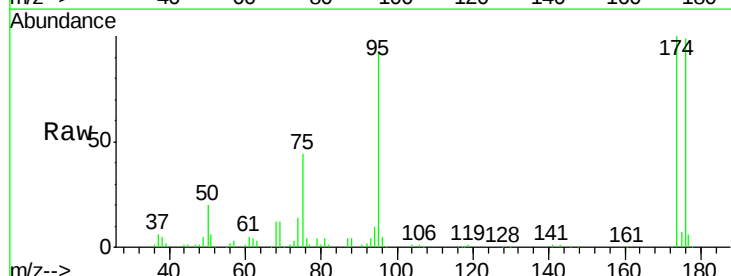
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 116.111 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.08 min
Lab File: VD059491.D
Acq: 29 Jun 2018 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	102.6	154.0#
89	0.0	35.9	53.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

